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ABSTRACT

This book contains the following case studies on the integration of technology in education: (1) "First Steps toward a Statistically Generated Information Technology Integration Model" (D. LaMont Johnson and Leping Liu); (2) "Case Studies: Are We Rejecting Rigor or Rediscovering Richness?" (Cleborne D. Maddux); (3) "Electronic Expressions: Using E-Mail To Support Emergent Writers" (Nancy Yost); (4) "Social and Academic Integration Using E-Mail between Children with and without Hearing Impairments" (Barbara Weiserbs); (5) "Internet Learning Connections between Second-Graders and University Teacher Education Electronic Mentors" (Marianne K. Dove, Susan C. Fisher, and Dwight L. Smith); (6) "Integrating Standards-Based Education in a Telecommunications Project: A Case Study" (Richard Knee, Ralph Cafolla, and Kristine Haller); (7) "Integrating Literacy and Tool-Based Technologies: Examining the Successes and Challenges" (Elizabeth Baker); (8) "Stepping Stones for Linking, Learning, and Moving toward Electronic Literacy: Integrating Emerging Technology in an Author Study Project" (Sharla L. Snider and Jeanne M. Foster); (9) "Computer Technology in an Authentic Science Project" (Donna Matovinovic and Norma Nocente); (10) "Multicultural Technology Integration: The Winds of Change Amid the Sands of Time" (Michele Stafford-Levy and Karin M. Wiburg); (11) "Graphing Calculators: Critical Tools for Actively Teaching Math and Science" (Jacqueline K. Bowman, Hari P. Koirala, Linda Espinoza Edmonds, and Marsha Davis); (12) "Actively Engaging Learners in Interdisciplinary Curriculum through the Integration of Technology" (Karen Dutt-Doner, Marty Wilmer, Cathy Stevens, and Lisa Hartmann); (13) "Collecting and Manipulating Weather Data: Using Technology Tools in a First-Grade Classroom" (Susan Gallagher); (14) "Videoconferencing in the Classroom: Special Projects toward Cultural Understanding" (Rachel B. Gerstein); (15) "Teaching and Learning in World Wide Web-Connected Classrooms" (Bruce O. Barker and David J. Whiting); (16) "Persistence and Motivation: A New Teacher's Path to Technology Infusion"

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(Patricia McGee); (17) "Students and Support for Technology in the Elementary Classroom" (David M. Marcovitz, M. Khalid Hamza, and Vicky R. Farrow); (18) "HyperStudio for Grade-One Students: A Case Study" (Shelley Anne Burgstaller and Dean S. Cristol); and (19) "How Can Technology Enhance Children's Natural Curiosity?" (Kathleen Hogan and Damian Gomm). (Contains 265 references and an index.) (AEF)

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